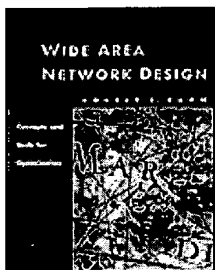


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Mar 3, 2004 EST

Wide Area Network Design: Concepts & Tools for Optimization

*Robert Chan*

Morgan Kaufmann, Hardcover, Published May 1998, 441 pages, ISBN 1558604588

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Publisher Summary of Title

As the cost of building and upgrading complex, large-scale networks skyrockets, carefully crafted network designs become critical— a savings of as little as 5% in your network can amount to tens of thousands of dollars per month. *Wide Area Network Design: Concepts and Tools for Optimization* provides the information you need to tackle the challenges of designing a network that meets your performance goals within the cost constraints of your organization. If you are considering public service alternatives such as frame relay, designing your own network with the tools provided in this book will empower you to estimate cost savings and evaluate bids from competing carriers.

Intended for network designers, planners, and architects, this book enables you to estimate traffic flows and requirements in your network and explains how to use various algorithms to design a network which must meet these requirements. The accompanying design tool, Delite, offers you the opportunity for hands-on experience with the design process.

Features:

- Presents underlying design principles to help you understand emerging and future networking protocols and technologies
- Provides cost and traffic generators for estimating these parameters in your network
- Introduces the unique IncreMEntOR algorithm which can help avert disaster when the traffic flows in your network have changed

Authors:

Robert S. Cahn received his B.S. from the University of Chicago in 1966 and his Ph.D. in Mathematics from

Yale University in 1970. From 1970 until 1982, he was a member of the Department of Mathematics and Computer Science of the University of Miami and of the Mathematics Department of Lehman College from 1983-1985. In 1986 he joined the IBM Communications Department working on network design algorithms and network design tools. He has also designed a number of very large, high-speed networks for both IBM and IBM customers. He is the author of over 20 research articles spanning his various interests. He is adjunct professor of Computer Science at Polytechnic University and regularly teaches about network design.

Table of Contents:

1 Introduction

What is Network Design

Overview

Design Alternatives

Ordering the Designs

Choosing the Final Design

Designs which are Losers

Which is More Important, Performance or Cost?

A Low Tech Solution to the Network Design Problem

Summary

Exercises

2 "Hello World" of Network Design

Overview

A Two Location Problem

The Straight-Forward Solution

Adding PBXs

Reducing the Trunks at *Bregen*

The Busy Hour Profile

The Erlang Calculaion

Calculating the Blocking

Designing the Inter-site link

Simplifying the Traffic Profile